

PRELIMINARY AMENDMENT
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form one phase of a stator coil 52 according to the concentrated winding method. In a similar way, the slot portions 51c into which wires are inserted are staggered to form three phases of stator coil 52. Each of the stator coils 52 is composed of rectilinear portions 52a which are inserted into the slot portions 52c, and coil end portions 52b which interconnect between adjacent rectilinear portions 52a at the outside of the stator core 51 in the axial direction thereof. At least one of the number of conductor wires which constitute each rectilinear portion 52a is formed into a polymorphic cross-section, and a number of conductor wires constituting each coil end portion 52b are all formed into a substantially circular cross-section.

IN THE CLAIMS:

Please cancel claims 1-3 and 5-8 without prejudice or disclaimer. ✓

Please enter the following amended claim 4:

4. (Amended) A stator of an AC generator for use in a vehicle comprising:
a cylindrical stator core in which a plurality of tooth portions are provided at equiangular intervals along the inner circumference of a cylindrical core back portion and a plurality of slot portions are each formed between adjacent tooth portions; and
a stator coil incorporated in said stator core, said stator coil having a group of coils constituted by predetermined numbers of turns of conductor wires and including a plurality of rectilinear portions and coil end portions interconnecting the end portions of adjacent rectilinear portions, said rectilinear portions being sequentially accommodated in the slot portions of every predetermined number of slots and said coil end portions being protruded axially outwardly from the end surface of said stator core;